

## ABSTRACT

A system and method is provided for using an object-oriented interface for network management. An example system and method receives a management information base (MIB) including information related to one or more aspects of a network device, extracts a subset of information from the MIB describing at least one aspect of the network device, and generates a set of object-oriented classes and object-oriented methods corresponding to the subset of information in the MIB. In addition, this system and method interfaces with network management information on a network device, by providing a management information base (MIB) including information related to one or more aspects of a network device, and using a set of object-oriented classes and object-oriented methods that corresponds to the MIB and information related to one or more aspects of the network device.

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